

## **ABSTRACT OF THE DISCLOSURE**

A method for MPLS link protection pre-builds backup LSP. When the LSP breaks down, it can redirect the LSP to the backup LSP within the minimal time and rearrange an auxiliary LSP after breaking down for a default time. By the guiding and the  
5 rearrangement, the method prevents the service of the MPLS from being unavailable when the MPLS breaks down and optimizes the utilization of the MPLS resources.